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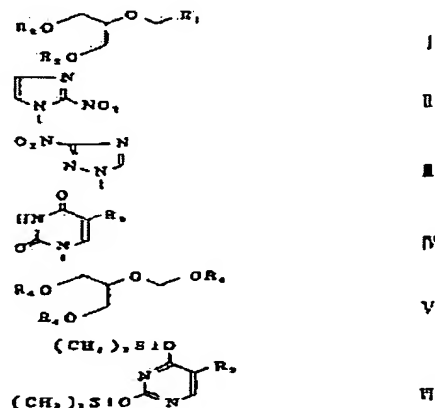
(21)Application number : 62-267485 (71)Applicant : POLA CHEM IND INC
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(54) HETEROCYCLIC COMPOUND DERIVATIVE, PRODUCTION THEREOF AND RADIOSENSITIZER AND ANTIVIRAL AGENT CONTAINING SAID DERIVATIVE AS ACTIVE INGREDIENT

(57)Abstract:

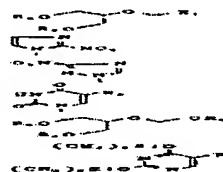
NEW MATERIAL: A heterocyclic compound derivative expressed by formula I (R1 is formula IIWIV; R2 is H or acyl; R3 is H, F, Cl, Br, CH3 or NO2).

EXAMPLE:



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1-[2-Acetoxy-1-(acetoxymethyl)ethoxy]methyl-2-nitro-imidazole.

USE: A hypoxic cell radiosensitizer and antiviral agent having low toxicity and high sensitizing effect and antiviral activity even in a low concentration.

PREPARATION: A compound expressed by formula V (R4 is acyl) is reacted with a compound expressed by the formula R1H, R5Si(CH3)3 or formula VI (R5 is formula II or III) to provide the compound expressed by formula I (R2 is R4), which, as desired, is deacylated to afford the compound expressed by formula I (R2 is H).

LEGAL STATUS

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